



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sheu, *et al.* Docket No.: TSM03-0140
Serial No.: 10/619,828 Art Unit: 2829
Filed: July 15, 2003 Examiner: Dana Farahani
For: Self-Aligned MOSFET having an Oxide Region below the Channel

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants wish to bring to the attention of the U.S. Patent and Trademark Office the information noted on the enclosed PTO Form PTO/SB/08A & 08B, which may be considered material to the examination of the above-identified application.

This Information Disclosure Statement is submitted under 37 C.F.R. §1.97(c) together with a \$180.00 fee under 37 C.F.R. §1.17(p) after the C.F.R. §1.97(b) time period, but before final action or notice of allowance, whichever occurs first.

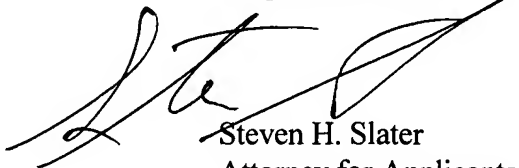
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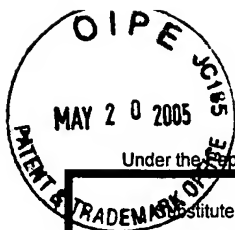
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May 16, 2005

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Respectfully submitted,


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Institute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

2

Complete if Known

Application Number	10/619,828
Filing Date	7/15/2003
First Named Inventor	Sheu, et al.
Art Unit	2829
Examiner Name	Farahani, Dana
Attorney Docket Number	TSM03-0140

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-4,069,094	01-17-1978	Shaw et al.	
	2	US-4,497,683	02-05-1985	Celler et al.	
	3	US-5,155,571	10-13-1992	Wang et al.	
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	6	US-5,789,807	08-04-1998	Correale Jr.	
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	8	US-6,256,239 B1	07-03-2001	Akita et al.	
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Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/619,828
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				First Named Inventor	Sheu, <i>et al.</i>
				Art Unit	2829
				Examiner Name	Farahani, Dana
Sheet	2	of	2	Attorney Docket Number	TSM03-0140

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	48	EP 0 683 522 A2	11-22-1995	International Business Machines Corporation		
	49	EP 0 828 296 A2	03-11-1998	International Business Machines Corporation		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	50	LEITZ, C.W., <i>et al.</i> , "Channel Engineering of SiGe-Based Heterostructures for High Mobility MOSFETs," Materials Research Society Symposium Proceedings, Vol. 686, 2002, pp. A3.10.1-A3.10.6.	
	51	LEITZ, C.W., <i>et al.</i> , "Hole Mobility Enhancements In Strained Si/Si _{1-y} Ge _y P-Type Metal-Oxide-Semiconductor Field-Effect Transistors Grown On Relaxed Si _{1-x} Ge _x (x<y) Virtual Substrates," Applied Physics Letters, Vol. 79, No. 25, December 17, 2001, pp. 4246-4248.	
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Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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